

PROJECT TITLE : Additives and Analytical Services  
Period Covered : May 28 - June 23, 1980  
Report Written by : A. Widmer  
Report Approved by : F. Lopes

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#### TRIALS WITH NEW SUPPLIERS OF TOBACCO ADDITIVES

- Inverted sugar (LAUMANN & CO., Bischofszell / yellow sheet 5670, 2 x 10 kg) - Ref. 1

Two new samples ("IP" and "IF"), for which the inversion of saccharose has been carried out by enzymes, were submitted by the supplier.

Acidity, pH and density were within specifications. In both samples the water content was slightly too high and the sugar content slightly too low. Later on, we were informed by the supplier that, in any case, he could not supply the product in bigger quantities, due to a lack of capacity.

Concluded on June 9, 1980

- Sodium benzoate (ex PFIZER, Nigeria) - Ref. 2

The sample corresponds to our specifications.

#### QUALITY CONTROL OF TOBACCO ADDITIVES

- AAC - BASE A 1 (PMG, Munich) - Ref. 3

No significant difference from the standard could be observed.

- Ethanol (PMG, Munich) - Ref. 3

The samples correspond to the standard

- MFSB 1 (PMG, Munich) - Ref. 3

No significant difference from the standard could be observed.

- Cochise (SUCHARD, Neuchâtel / blue sheet 7625)

A fat content of 17.7 % was determined. This high level is due to a high quantity of crushed cocoa-nuts in the product.

The shipment was returned to the supplier.

- Polyethylene glycol 600 (RHODIA SUISSE SA, Genève) - Ref. 4

The supplier does not see the possibility to guarantee that the product would regularly be within our specifications. Therefore, RHODIA has to be eliminated from the list of accepted suppliers.

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TRIALS WITH NEW SUPPLIERS OF FILTER ADDITIVES

- Activated charcoal (ZUELLIG OVERSEAS EXPORT, Zürich / yellow sheet 5700, 2 x 500 g)

Two samples were submitted by the supplier. The sample "8004007" does not correspond to our specifications as regards  $\text{CCl}_4$ -index. The sample "8004008" corresponds to our specifications. 20 kg of the latter were ordered for a first trial.

TRIALS WITH NEW SUPPLIERS OF GLUES

- Glue for packing machine (LAESSER AG, Erlinsbach, "Lesso 5021/3" / yellow sheet 5688, 500 kg) - Ref. 5

Machineability: The good results of the first trial were confirmed. 2500 kg of this glue were ordered for a long term test.

- Glue for packing machine (CHEMIE MOUDON SA, Sarnen "Moudocol V-764" / yellow sheet 5664, 200 kg) - Ref. 6

The trial had to be stopped because solid parts in the glue were causing serious problems on the machine. Further trials are not planned.

PRODUCT QUALITY

- Determination of humectants and plasticizer in cigarettes

The composition of humectants and filter plasticizer was determined in 36 brands from Eastern countries (Bulgaria, Czechoslovakia, Hungary and Yugoslavia). Almost all brands contained glycerine, propylene glycol and diethylene glycol, however, often in little quantities only. Only triacetine was used as plasticizer.

ASSISTANCE TO OTHER COUNTRIES

- Determination of viscosity (PMG, Munich / PMH, Eindhoven) - Ref. 7

The viscosity in function of the temperature ( $20 - 90^\circ\text{C}$ ) was determined on the rotational BROOKFIELD-viscosimeter for MF-PC, BURLEY-CASING, Propylene glycol, Glycerine, inverted sugar and liquid sugar.

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SERVICES FOR OTHER GROUPS

- Analyses for Mr. P. Ghiste  
Chloride in extracts (19 samples)
- Analyses for Mr. F. Moser  
Triacetine in filters and filter rods (13 samples)
- Analyses for foil mentholating  
Menthol in cigarettes (10 samples)

QC ANALYTICAL SERVICES

A. Widmer



REFERENCES

1. Monthly report A. Widmer, February 1980  
Letter from LAUMANN & CO. to Mr. W. Trüssel, dd. June 9, 1980
2. Letter from A. Widmer to Mr. M. Broillet, dd. May 30, 1980
3. Letter from A. Widmer to Mr. B.W. Lutzig, dd. June 19, 1980
4. Monthly report A. Widmer, April 1980  
Minutes of the yellow sheet meeting, dd. June 4, 1980
5. Monthly report A. Widmer, May 1980
6. Monthly report A. Widmer, January 1980
7. Letter from A. Widmer to Mr. B.W. Lutzig and Mr. B. van Duuren,  
dd. June 20, 1980

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